This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-9.   (Canceled).

10.   (Previously Presented) A rotation rate sensor comprising a vibration gyro and a plurality of circuits used for operating the vibration gyro and emitting a rotation rate signal, the plurality of circuits including a non-volatile memory being readable and writable to and storing data including variable data, the plurality of circuits further comprising means for reading the data from the non-volatile memory after switching on the rotation rate sensor, wherein the data is subdivided into groups based on use of the data, the non-volatile memory including measures for signal protection for each of the groups, the data in each of the groups being readable and writable to independently of the data in the other ones of the groups, and a checksum is formed for the data in each of the groups and stored in the volatile memory, the checksum being usable for checking the data during reading.

11.   (Previously Presented) The rotation rate sensor of claim 10, wherein said non-volatile memory comprises an EEPROM.

12.   (Previously Presented) The rotation rate sensor of claim 10, wherein said non-volatile memory comprises a flash EEPROM.

13.   (Previously Presented) The rotation rate sensor of claim 10, wherein one of the groups includes adjustment data for the rotation rate sensor.

14.   (Previously Presented) The rotation rate sensor of claim 10, wherein one of the groups includes parameter sets for filters.

15.   (Previously Presented) The rotation rate sensor of claim 10, wherein one of the groups includes value limits for self-testing of the rotation rate sensor.

16.   (Previously Presented) The rotation rate sensor of claim 10, wherein a software emulation program is also stored in the non-volatile memory.

17.   (New) The rotation rate sensor of claim 10, wherein parameter sets of data that relate to a specific application of the rotation rate sensor are writable to by a user after a production process.